

DRDS(U/2)

Date	Vehicle No.	Trip	Number of Collection Point	Roads	Location	Number of Crew	Mowing (ha/ha/ha)		Dettie the Dettie site		Total		Collective			Trans- peration			Inside the Dettie site			Total			Average Collection Time (min/Collection point)			Idle Time (min)	Date	Time (min)	Idle Time (min)		
							Collection	Trans- peration	Dettie the Dettie site	Total	Total	Mowing	Landry	Mining	Landry	Mining	Landry	Total	Mining	Landry	Mining	Landry	Mining	Landry	Total	Mining	Landry					Mining	Landry
							ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha	ha					ha	ha
12/11/97	KAG975R	1	11	Slade house Ave/Leahla Rd to Golf Course	Kiliman/Kenya	3	41,550	40,000	6	84,550	153	64	89	388	11	62	73	463	151	614	0	13.9	5.8	8.1	6.2	1	84,550	614	0				
12/11/97	KU7647	1	6	Enterprise Rd	Kerere/Viwanda	3	41,800	23,250	6	65,050	211	104	107	68	3	38	41	175	145	320	0	23.4	11.6	11.9	20.5	1	21,000	251	45				
12/11/97	KU7647	2	1	Kilimanjaro Rd	Viwanda/Viwanda	3	0	21,000	6	21,000	75	0	75	104	14	13	27	103	88	251	45	75.0	0.0	75.0	12.1	2	21,000	251	45				
12/11/97	KXX829	1	2	Chala Rd/Enterprise Rd	Kiliman/Kilimanjaro	4	17,000	18,000	0	35,000	57	23	34	23	5	70	75	52	104	156	0	28.5	11.5	17.0	45.0	1	45,000	135	0				
12/11/97	KXX829	2	2	Overmyr Rd	Limbeba/Thaba	4	15,000	29,000	0	44,000	121	20	101	40	11	21	32	71	122	193	0	60.5	10.0	50.5	43.5	3	45,000	135	0				
12/11/97	KXX829	3	2	Enterprise Rd	Enterprise/Enterprise	4	16,000	29,000	0	45,000	74	22	82	28	13	20	33	63	72	135	0	37.0	11.0	26.0	62.1	3	45,000	135	0				
12/11 Average			4.5			4	22,392	26,708	6	49,100	115	39	76	109	10	27	47	165	114	278	8	39.7	8.3	23.4	31.6	2	50,183	333	15				
13/11/97	KAG975R	1	4	Parklands Rd	Parklands/Kilimanjaro	3	21,500	29,000	0	50,500	179	74	105	92	15	23	36	189	128	317	10	41	1.7	2.4	18.9	1	45,400	248	0				
13/11/97	KAG975R	2	2	Jansals Rd	Parklands/Viwanda	3	400	45,000	0	45,400	45	9	36	183	12	8	20	204	44	248	0	22.5	4.5	18.0	14.8	2	45,400	248	0				
13/11/97	KU7647	1	25	Ridge Rd	Parklands/Viwanda	3	20,025	13,800	0	34,725	221	169	52	107	14	50	64	431	105	531	141	30	2.3	0.7	7.7	1	84,725	533	141				
13/11/97	KXX829	1	17	Enterprise Ave	Kilimanjaro/Parklands	4	77,020	29,300	0	106,320	226	132	104	87	9	19	28	218	123	341	30	13.3	7.2	6.1	30.8	1	106,320	341	30				
13/11 Average			34.3			3	29,983	29,278	6	59,261	168	54	74	110	12	25	37	261	99	360	45	16.7	3.9	6.8	18.1	1	63,748	374	57				
14/11/97	KAG975R	1	47	Wapanga	Kilimanjaro	3	17,450	30,600	0	48,050	187	87	100	177	18	31	49	322	131	653	240	4.0	1.9	2.1	10.4	1	48,050	653	240				
14/11/97	KU7647	1	36	Rufimani Rd	Kilimanjaro	3	15,825	11,700	0	27,525	253	190	63	115	5	36	41	360	99	459	40	4.5	3.2	1.1	6.1	1	27,525	459	40				
14/11 Average			51.5			3	16,638	21,150	0	37,788	220	139	82	146	12	34	45	441	115	556	140	4.2	2.6	1.6	8.2	1	37,788	556	140				
15/11/97	KAG975R	1	4	Kilimanjaro Rd	Parklands/Viwanda	3	10,150	7,000	0	17,150	70	26	44	32	3	24	27	61	64	129	0	17.5	6.5	11.0	13.1	1	48,050	653	240				
15/11/97	KAG975R	2	3	Nyaka Rd	Parklands	3	200	30,700	0	30,900	157	5	152	46	22	41	63	23	191	266	0	78.5	2.5	76.0	39.4	2	30,400	266	0				
15/11/97	KU7647	1	16	Enterprise Rd	Kilimanjaro/Enterprise	3	20,300	15,700	0	41,000	262	112	150	97	8	58	10	217	208	425	0	16.4	7.0	9.4	9.7	1	41,900	425	0				
15/11/97	KXX829	1	2	Enterprise Rd	Viwanda	3	4,700	34,000	0	38,700	52	7	45	102	18	6	24	134	51	185	7	26.0	3.5	22.5	20.0	1	38,700	185	7				
15/11 Average			6.0			3	10,513	21,775	0	32,288	135	38	98	69	13	32	31	121	130	353	2	34.6	4.9	29.7	20.6	1	37,000	292	2				
17/11/97	KAG975R	1	42	Kilimanjaro Rd	Parklands	3	103,150	45,500	0	148,650	318	186	132	155	7	46	53	338	178	516	0	7.6	4.4	3.1	17.6	1	145,650	516	0				
17/11/97	KU7647	1	4	Kilimanjaro Rd	Kerere/Golf Course	3	31,000	17,900	0	48,900	136	64	72	80	17	102	119	201	174	375	40	34.0	16.0	18.0	13.4	1	48,900	375	40				
17/11/97	KXX829	1	4	Enterprise Rd	Viwanda	3	16,300	48,000	0	64,300	157	29	128	56	18	20	34	103	148	251	0	39.3	7.3	32.0	51.4	2	60,000	245	0				
17/11 Average			12.4			3	37,615	42,100	0	79,715	169	70	99	104	14	51	64	197	160	347	10	36.2	6.9	29.3	27.3	1	84,460	379	13				
18/11/97	KAG975R	1	59	Enterprise Rd	Kilimanjaro	3	13,000	40,000	0	53,000	235	111	124	199	9	45	54	319	169	488	0	4.0	1.9	2.1	12.1	1	53,000	488	0				
18/11/97	KU7647	1	59	Enterprise Rd	Kilimanjaro/Golf Course	3	48,950	10,500	0	59,450	315	180	135	105	15	20	35	420	155	575	120	5.3	3.1	2.3	6.0	1	59,450	575	120				
18/11/97	KXX829	1	4	Enterprise Rd	Kilimanjaro/Viwanda	4	4,700	25,000	0	29,700	239	18	221	38	6	62	71	73	243	366	8	50.8	4.5	55.3	39.5	1	20,000	81	0				
18/11/97	KXX829	2	1	Enterprise Rd	Viwanda	4	0	20,000	0	20,000	3	0	3	76	0	0	78	3	81	0	3.0	0.0	3.0	15.4	2	20,000	81	0					

DRDS(2/2)

Date	Vehicle No	Trip	Number of Collection Point	Route	Location	Number of Crew	Money Earned (KSh)			Money Expended (KSh)			Total	Trade the Dump Site (inc. (minutes))			Average Collection Time (inc. (minutes))			Average Collection Time			Total Average						
							Collection	Trade the Dump Site	Trade the Dump Site	Trade the Dump Site	Trade the Dump Site	Money		Leaving	Money	Leaving	Money	Leaving	Money	Leaving	Money	Leaving	Money	Leaving	Money	Leaving	Money	Leaving	Money
19/11/07	KA097AK	1	30.8	1	1	4	22,217	23,875	0	40,538	198	77	121	105	11	42	53	223	153	375	32	16.0	2.4	15.7	18.2	1	44,150	381	40
19/11/07	KAC97AK	1	15	1	1	3	46,150	40,000	0	86,150	199	90	109	107	7	81	88	444	190	634	0	13.3	6.0	7.3	6.9	1	86,150	634	0
19/11/07	KXX829	1	9	1	1	4	118,000	39,000	0	157,000	188	139	49	123	12	24	36	274	73	347	0	20.9	15.4	5.4	19.0	1	157,000	347	0
19/11/07	Average		12.0			4	82,075	39,600	0	121,675	194	115	79	215	10	53	62	359	132	491	0	17.1	10.7	6.4	13.0	1	121,675	491	0
20/11/07	KU7647	1	46	1	1	3	42,950	13,000	0	55,950	276	212	66	106	12	37	49	363	103	466	30	6.0	3.6	1.4	7.2	1	55,950	466	30
20/11/07	KXX829	1	16	1	1	4	40,600	32,700	0	73,300	291	73	218	68	4	43	47	151	263	412	6	18.2	4.6	13.6	28.9	1	73,300	412	6
20/11/07	Average		31.0			4	41,775	22,850	0	64,625	285	145	142	88	8	40	48	257	382	439	18	12.3	4.6	7.5	18.0	1	64,625	439	18
	Average		19.7			3.3	29,390	28,398	0	56,738	170	76	94	112	11	38	47	225	131	356	26	25.1	5.6	19.5	21.6	1.3	61,094	303	33

Tacnetac (M)

Date	Vehicle No	Trip	Number of Collection Point	Roads	Location	Number of Crew	Money (Korunium)			Load (tonnes)			Average Collection Time (min/Collection Point)			Daily Average								
							Collection	Trans- portation	Total	Mowing	Landing	Total	Mowing	Landing	Total	Idle	Transportation	Time (min.)	Distance (km)	Jobs				
																					From the Dump Site	From the Dump Site	From the Dump Site	
12/1/97	KRX593	1	0			2	15,000	100	15,100	0	0	0	30	0	0	30.0								
12/1/97	KRX593	2	27	Msa Rd	Mugungh	3	31,000	100	32,200	334	194	77	212	378	390	184	27.5	2	52,200	580				
12/1/97	Average		13.5			4	24,000	100	24,650	334	194	51	202	378	390	184	28.8	2	52,200	590				
12/1/97	KRX593	1	17		Mugungh	3	43,000	100	45,195	124	101	46	31	103	233	46	7.3	1.4	5.9	56.1				
12/1/97	KRX593	2	14		Mugungh	3	51,000	100	64,775	123	74	92	30	147	110	257	12	8.8	3.5	33.3	33.3			
12/1/97	Average		15.5			6	47,000	100	54,985	124	88	69	31	125	120	248	29	8.0	2.4	5.6	44.7			
12/1/97	KRX593	1	30	Msa Rd	Mugungh	5	42,000	50	65,800	231	135	115	7	35	42	222	407	634	246	5.9	2.5	3.5	21.9	
12/1/97	KRX593	1	16		Mugungh	3	32,000	100	33,620	81	22	47	9	33	42	94	126	224	33	5.1	1.4	3.8	40.9	
12/1/97	KRX593	2	15		Mugungh	4	32,000	100	33,275	97	22	53	0	53	76	80	156	5	6.5	1.5	5.0	35.6		
12/1/97	Average		15.5			5	30,000	100	31,436	90	22	51	9	33	42	87	103	190	29	5.8	1.4	4.3	38.2	
12/1/97	KRX593	1	48		Mugungh	5	42,000	150	63,275	269	107	98	6	77	83	225	290	515	65	5.6	2.2	3.4	25.7	
12/1/97	KRX593	1	22		Mugungh	3	32,000	100	34,620	114	36	59	9	33	42	113	177	290	75	3.2	1.4	3.8	32.5	
12/1/97	KRX593	2	16		Mugungh	3	51,000	100	64,600	96	44	52	4	25	29	153	89	242	13	6.0	2.8	3.3	29.4	
12/1/97	Average		19.0			5	41,500	100	49,665	105	37	82	7	29	36	133	133	246	44	5.6	2.1	3.5	31.0	
12/1/97	KRX593	1	45	Msa Rd	Mugungh	5	42,000	100	62,860	246	97	102	9	36	41	219	386	605	202	5.7	2.2	3.5	24.7	
12/1/97	Average		23.5			4.6	37,727	100	48,355	173	63	110	74	6	35	42	146	200	346	82	6.8	2.4	4.5	32.5

Enviro-Clean(1/1)

Date	Vehicle No.	Trip	Number of Collection Runs	Location	Number of Crew	Collection Time	There variation	Break the Pump Size	Total	Collection				Truck				Load (Intruses)				Average Collection Time				Average Transportation								
										Total	Motor	Landing	Total	Motor	Landing	Total	Motor	Landing	Total	Motor	Landing	Total	Motor	Landing	Total	Motor	Landing	Total	Motor	Landing	Total	Distance (km)	Time (min)	Rate (min/km)
12/1/97	KA1258X	1	1	Ngong Rd	3	0	18,000	0	18,000	104	0	105	49	4	17	21	63	122	193	0	105.0	0.0	105.0	18.3										
12/1/97	KA1258X	2	3	Ngong Rd	3	3,500	29,500	0	33,000	120	25	95	30	10	10	20	115	105	220	0	15.0	3.1	11.9	22.1	2	33,000	270	0						
12/1/97	KA1258X	4.5	3.0	Vally Rd	3.0	1,750	23,750	0	25,500	113	13	100	70	2	14	21	89	114	203	0	60	2	58	20	2	33,000	270	0						
14/1/97	KA1258X	1	1	Vally Rd	4	0	15,000	1,000	16,000	70	0	70	35	11	13	24	71	83	154	5	70.0	0.0	70.0	16.4										
14/1/97	KA1258X	2	1	Ngong Rd	4	0	24,000	0	24,000	105	0	105	64	4	13	17	98	118	216	0	105.0	0.0	105.0	15.3										
14/1/97	KA1258X	1.0	4.0	Ngong Rd	4.0	0	19,500	1,000	20,500	88	0	88	75	8	13	21	85	101	185	3	88	0	88	16	3	24,000	216	0						
14/1/97	KA1258X	1	2	Ngong Rd	4	4,000	17,000	0	21,000	125	15	110	65	4	14	18	84	124	208	0	65.5	7.5	55.0	15.7	1	21,000	208	0						
14/1/97	KA1258X	2.0	4.0	Vally Rd	4.0	4,000	17,000	0	21,000	125	15	110	65	4	14	18	84	124	208	0	65.5	7.5	55.0	15.7	1	21,000	208	0						
18/1/97	KA1258X	1	1	Vally Rd	4	0	18,000	0	18,000	87	0	87	115	2	18	20	117	105	222	0	87.0	0.0	87.0	9.4										
18/1/97	KA1258X	2	1	Vally Rd	4	0	21,000	0	21,000	130	0	130	68	3	10	13	71	160	231	0	130.0	0.0	130.0	18.5	2	21,000	231	231						
18/1/97	KA1258X	1.0	4.0	Vally Rd	4.0	0	19,500	0	19,500	160	0	160	92	3	24	27	94	132	227	0	160	0	160	14	2	21,000	237	237						
19/1/97	KA1258X	1	7	Ngong Rd	4	5,000	25,000	0	30,000	114	18	96	94	2	24	26	114	120	234	0	16.3	2.6	13.7	16.0	1	30,000	234	0						
22/1/97	KA1258X	1	24	Makadara	6	2,000	6,000	0	13,000	66	42	24	39	1	14	15	82	36	120	0	2.8	1.8	1.0	9.2										
22/1/97	KA1258X	2	11	Makadara	6	2,500	19,500	0	22,000	50	24	26	145	0	3	5	146	31	200	0	4.5	2.2	2.4	8.1										
22/1/97	KA1258X	3	22	Makadara	6	6,600	9,000	0	15,000	100	36	64	30	1	20	21	87	84	171	0	4.5	1.6	2.9	10.8										
22/1/97	KA1258X	4	7	Makadara	6	5,000	10,000	0	15,000	54	24	30	41	2	6	11	127	39	166	60	7.7	3.4	4.3	14.6	4	15,000	166	60						
22/1/97	KA1258X	16.0	6.0	Ngong Rd	6.0	5,125	11,125	0	16,250	68	32	36	69	1	14	13	116	48	164	15	4.9	2.2	2.6	10.7	4.0	15,000	164	40						
24/1/97	KA1258X	1	1	Ngong Rd	4	0	22,000	0	22,000	86	0	86	84	3	9	12	87	95	182	0	86.0	0.0	86.0	15.7										
24/1/97	KA1258X	2	1	Ngong Rd	4	0	26,000	0	26,000	106	0	106	104	0	26	26	104	132	236	0	106.0	0.0	106.0	15.0	2	26,000	236	0						
24/1/97	KA1258X	1.0	4.0	Ngong Rd	4.0	0	24,000	0	24,000	96	0	96	94	3	9	19	96	114	209	0	96.0	0.0	96.0	15.4	2.0	26,000	236	0						
25/1/97	KA1258X	1	2	Lusaka Rd	4	4,000	17,000	0	21,000	185	20	165	67	0	4	0	177	165	342	90	92.5	10.0	82.5	15.2										
25/1/97	KA1258X	2	1	Ngong Rd	4	0	25,000	0	25,000	62	0	62	95	2	9	10	127	71	198	30	62.0	0.0	62.0	15.8	2	25,000	198	30						
24/1/97	KA1258X	1.5	4.0	Ngong Rd	4.0	2,000	21,000	0	23,000	124	10	114	81	2	9	10	132	118	270	60	77.3	5.0	72.3	15.5	2.0	25,000	198	30						
Average		5.7	4.4		4.4	2313	18875	1000	21250	98	13	85	78	4	15	19	106	100	205	12	59.8	2.0	57.8	14.8	2.0	24375	214	40						

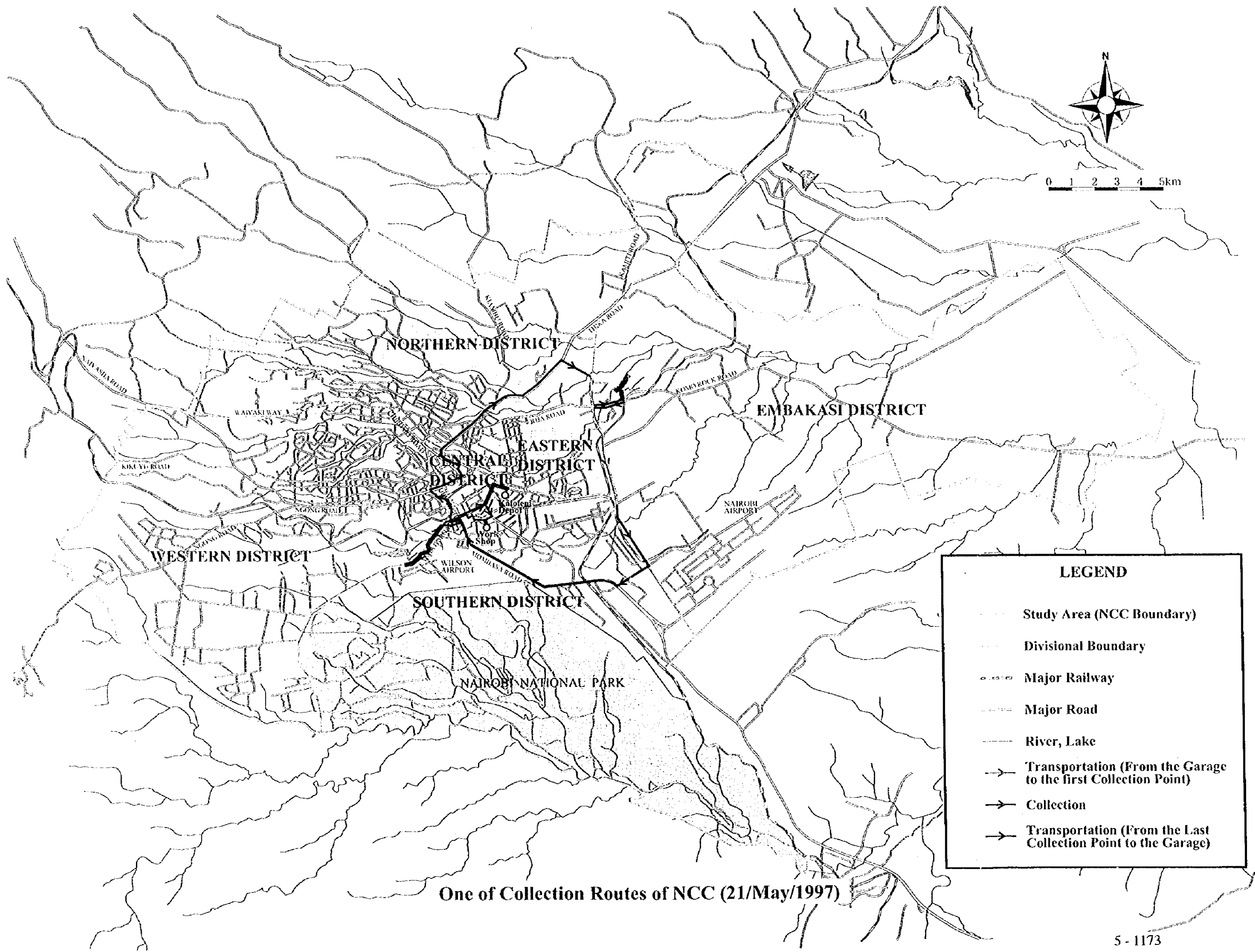
**5.2.3 Daily Records of the Time and Motion
Study for Each Collection Vehicle
(First Survey)**

SEE DATA BOOK (2)

**5.2.4 Daily Records of the Time and Motion
Study for Each Collection Vehicle
(Second Survey)**

SEE DATA BOOK (2)

5.2.5 Collection Routes of Collection Vehicles by Organisations

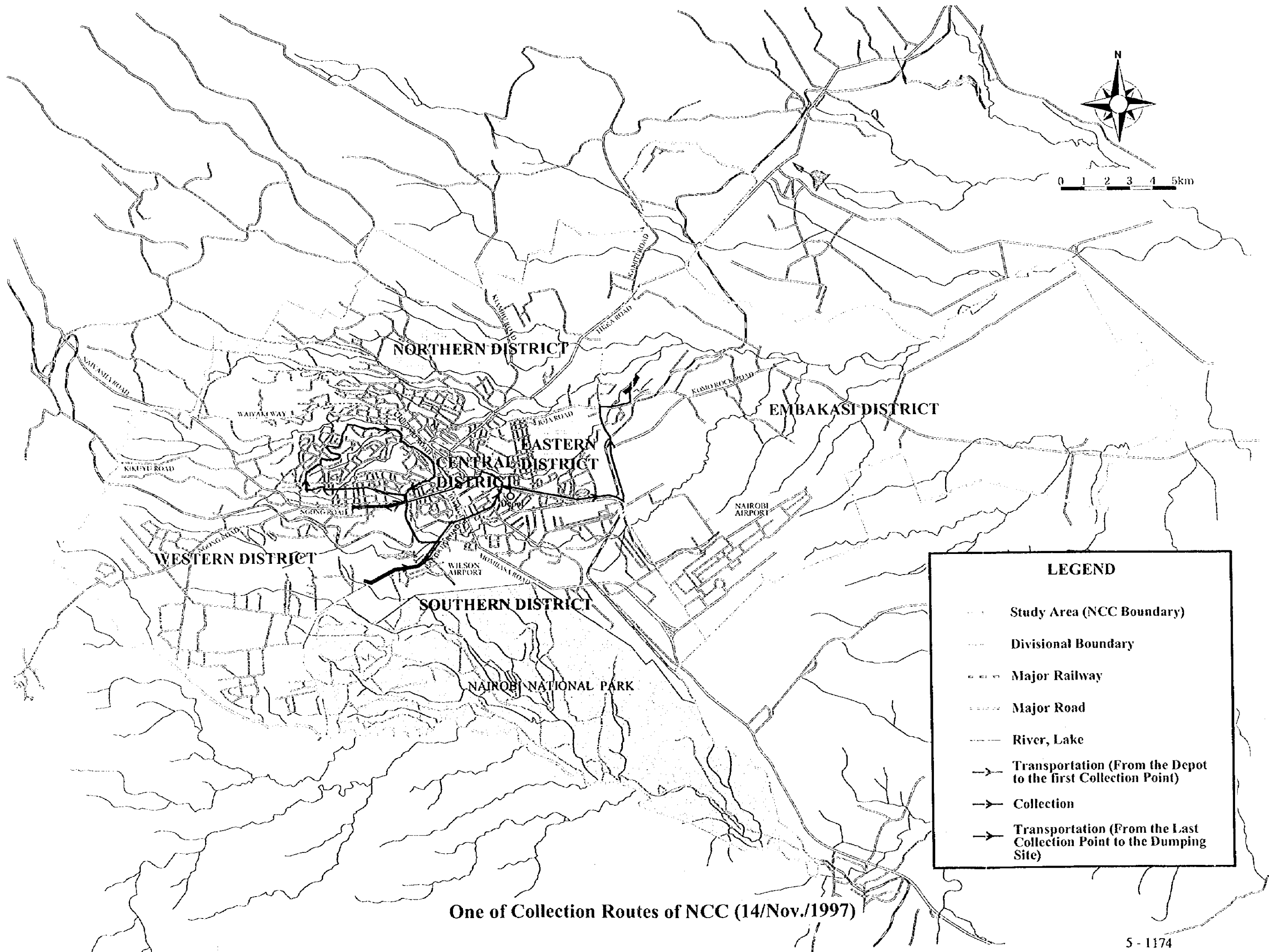


0 1 2 3 4 5km

LEGEND

- Study Area (NCC Boundary)
- Divisional Boundary
- Major Railway
- Major Road
- River, Lake
- Transportation (From the Garage to the first Collection Point)
- Collection
- Transportation (From the Last Collection Point to the Garage)

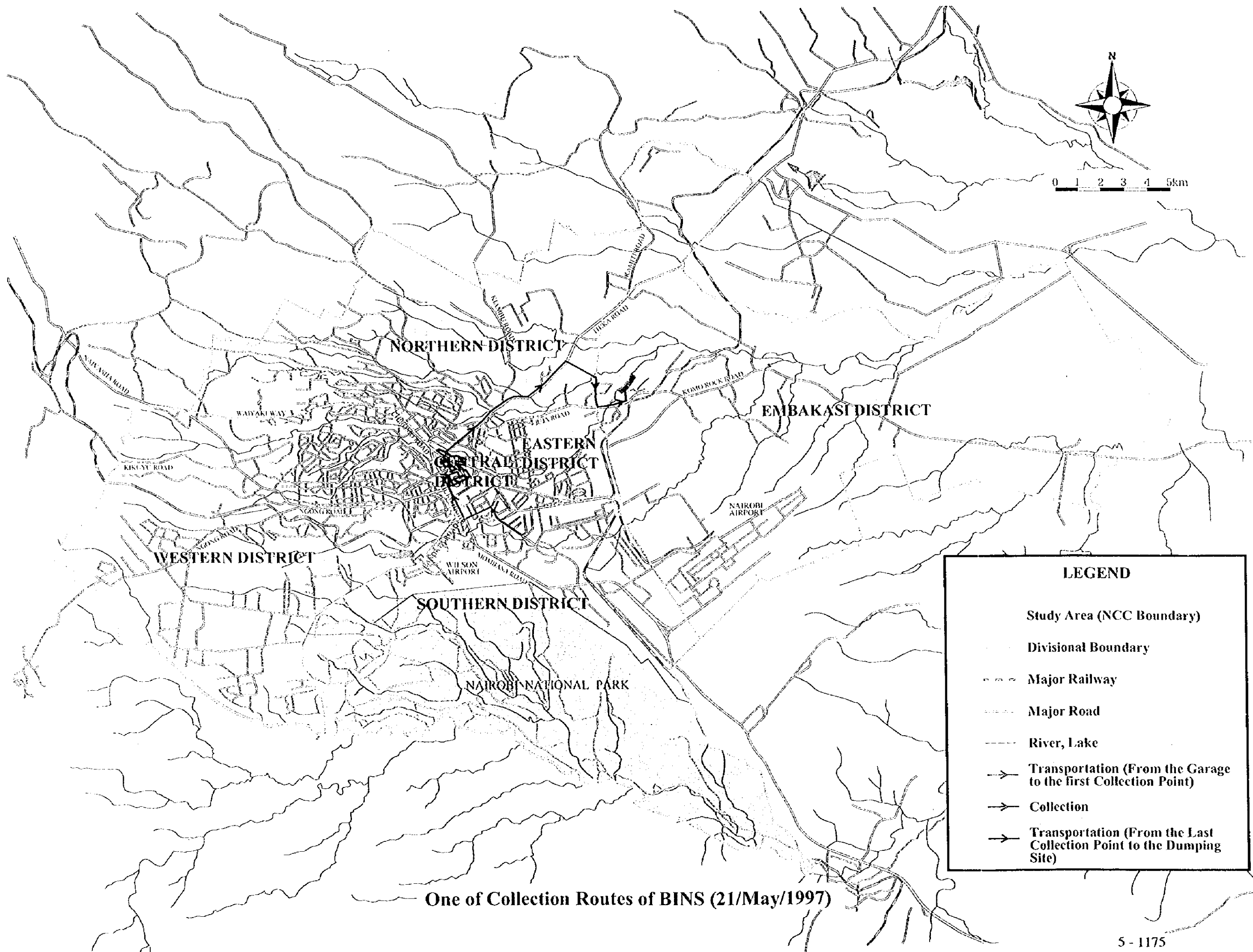
One of Collection Routes of NCC (21/May/1997)



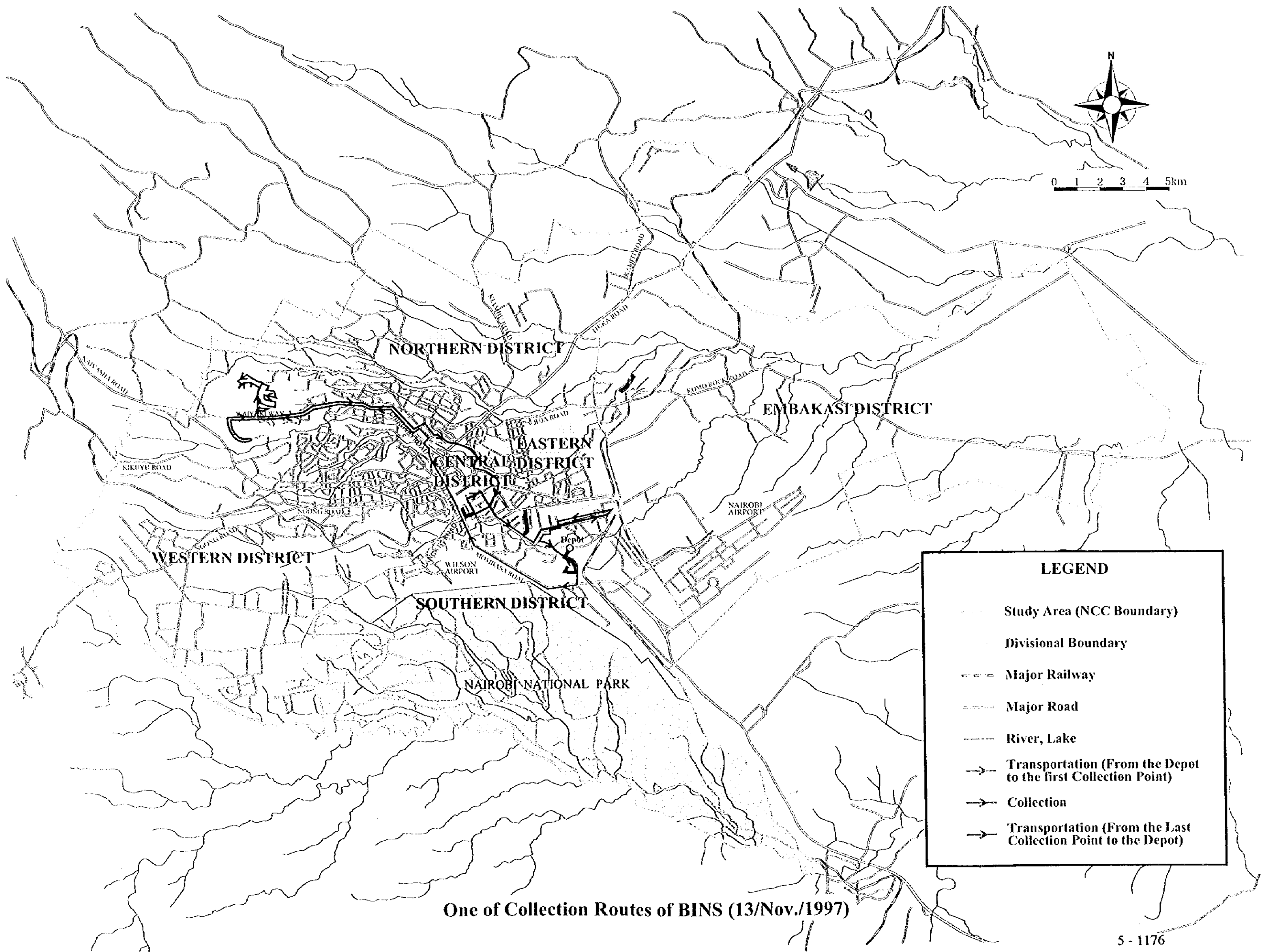
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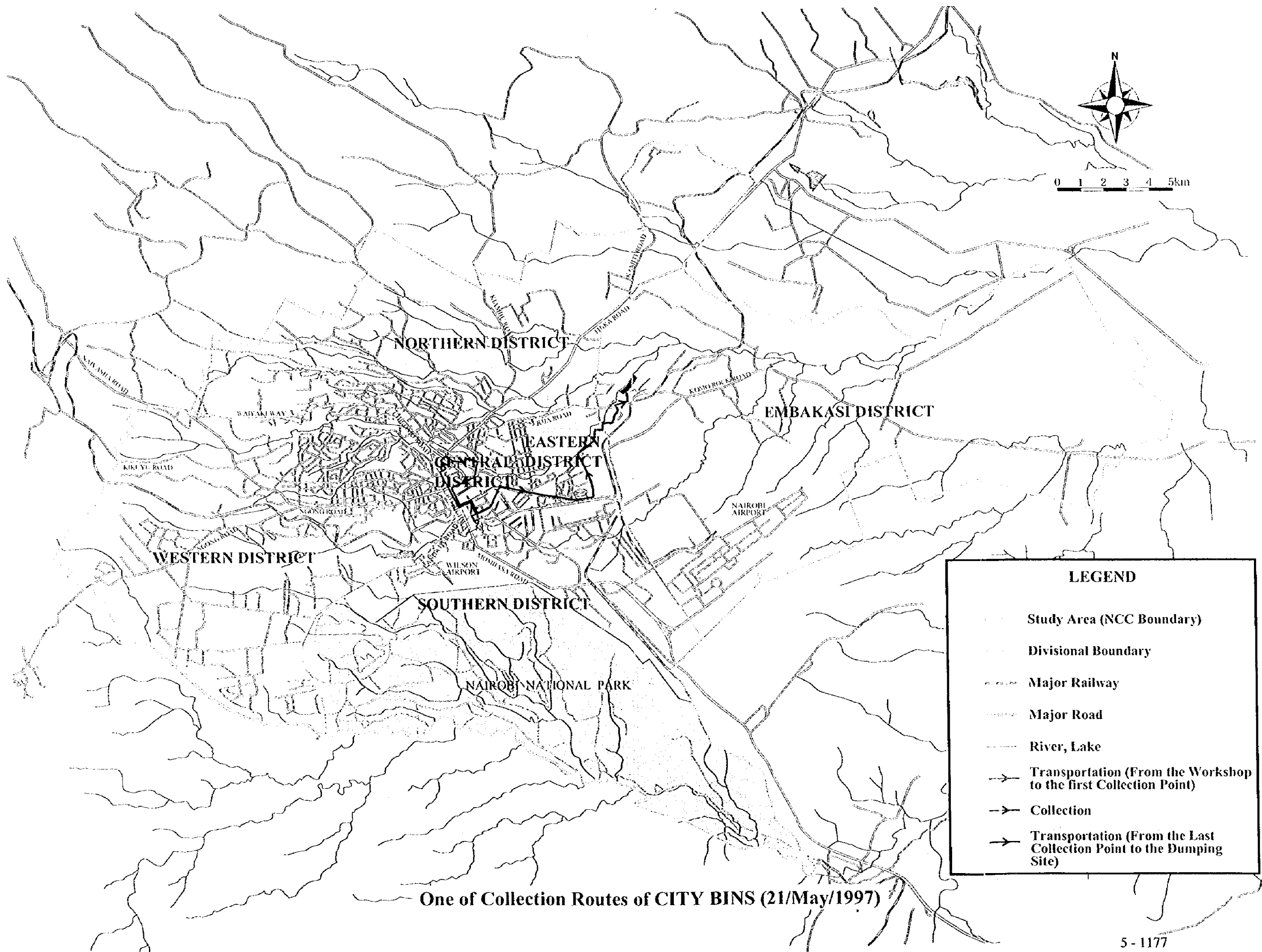
LEGEND

- Study Area (NCC Boundary)
- Divisional Boundary
- Major Railway
- Major Road
- River, Lake
- Transportation (From the Depot to the first Collection Point)
- Collection
- Transportation (From the Last Collection Point to the Dumping Site)











One of Collection Routes of BINS (21/May/1997)

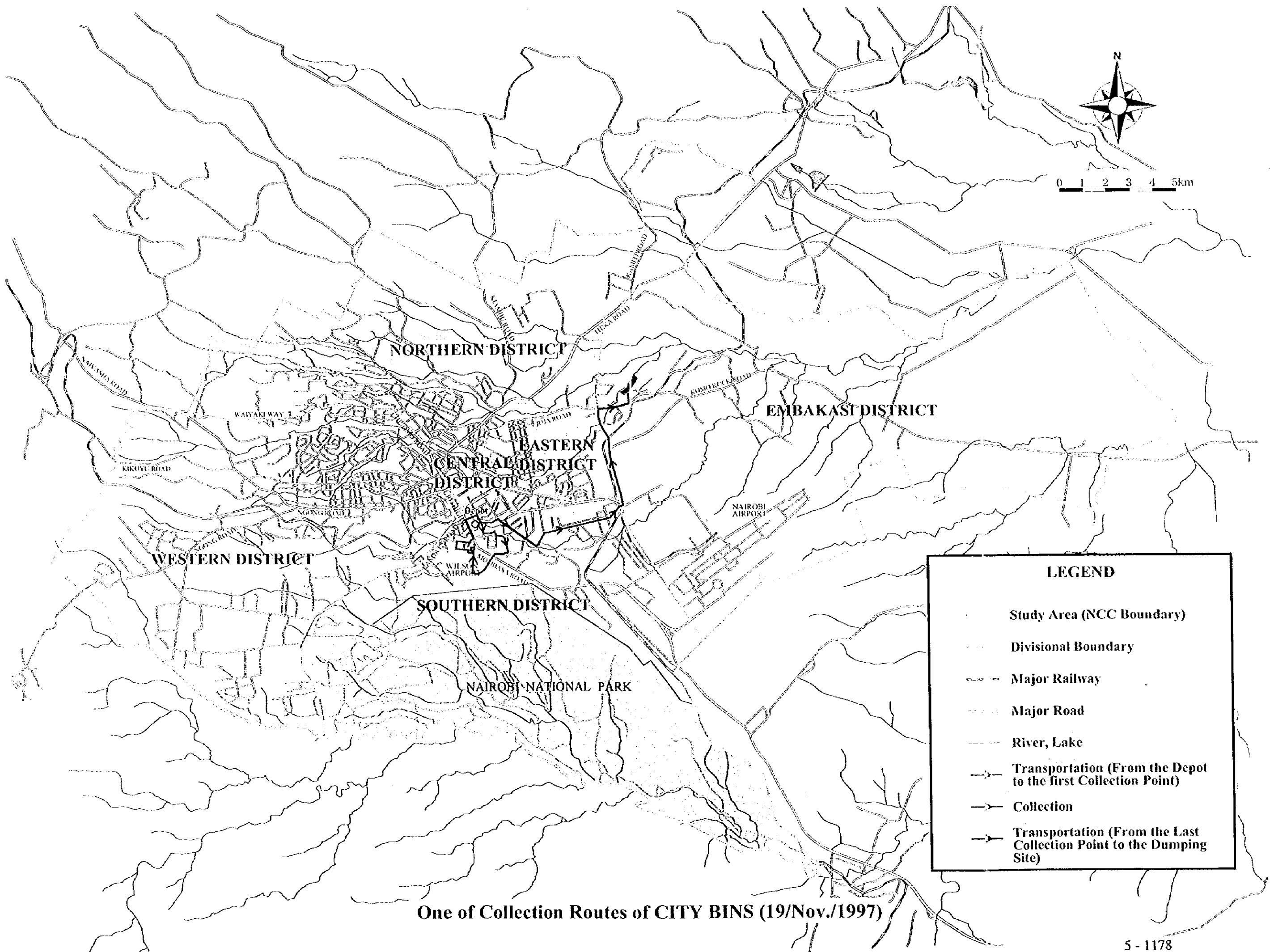




One of Collection Routes of CITY BINS (21/May/1997)

LEGEND

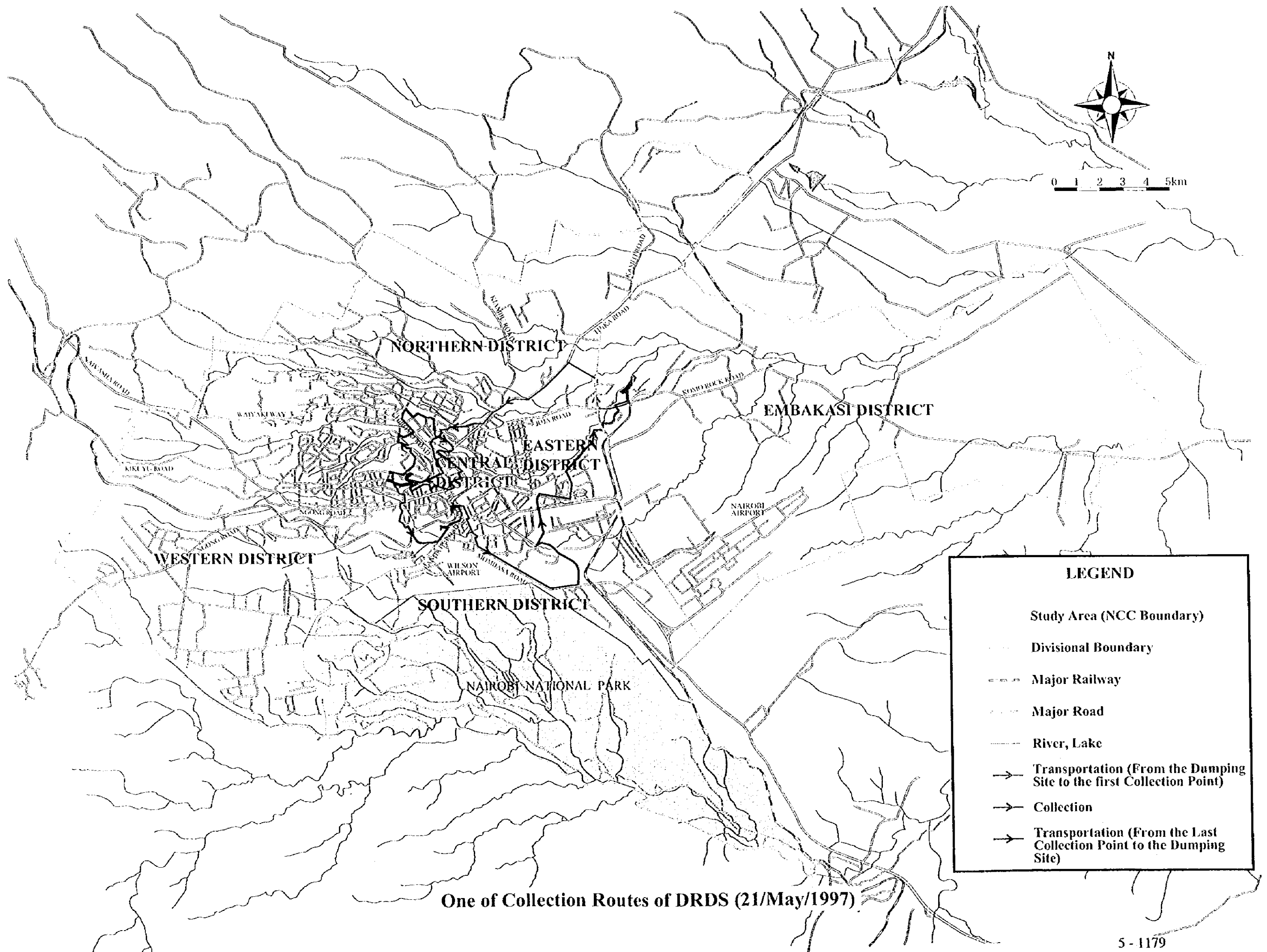
-  Study Area (NCC Boundary)
-  Divisional Boundary
-  Major Railway
-  Major Road
-  River, Lake
-  Transportation (From the Workshop to the first Collection Point)
-  Collection
-  Transportation (From the Last Collection Point to the Dumping Site)

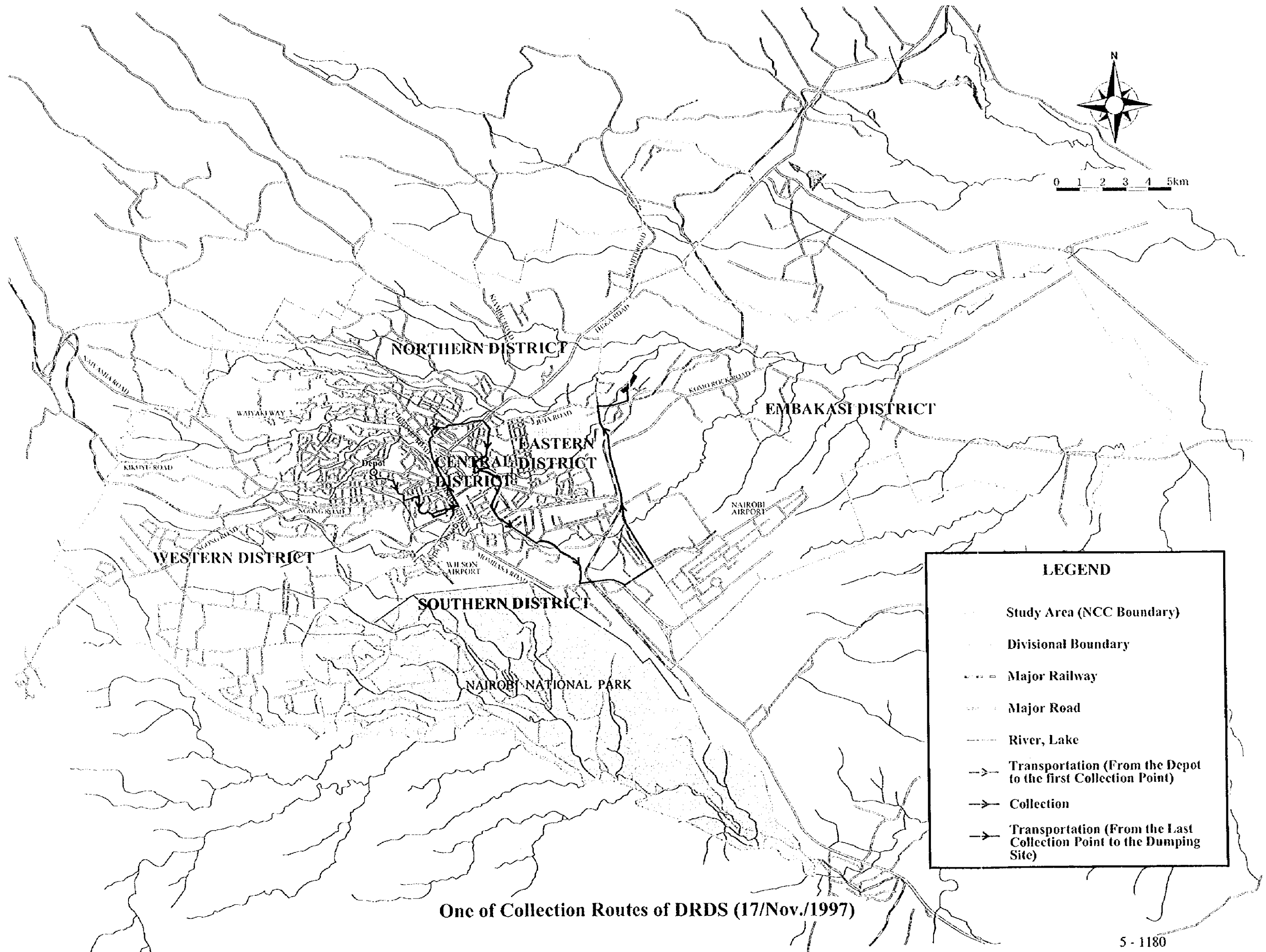


One of Collection Routes of CITY BINS (19/Nov./1997)

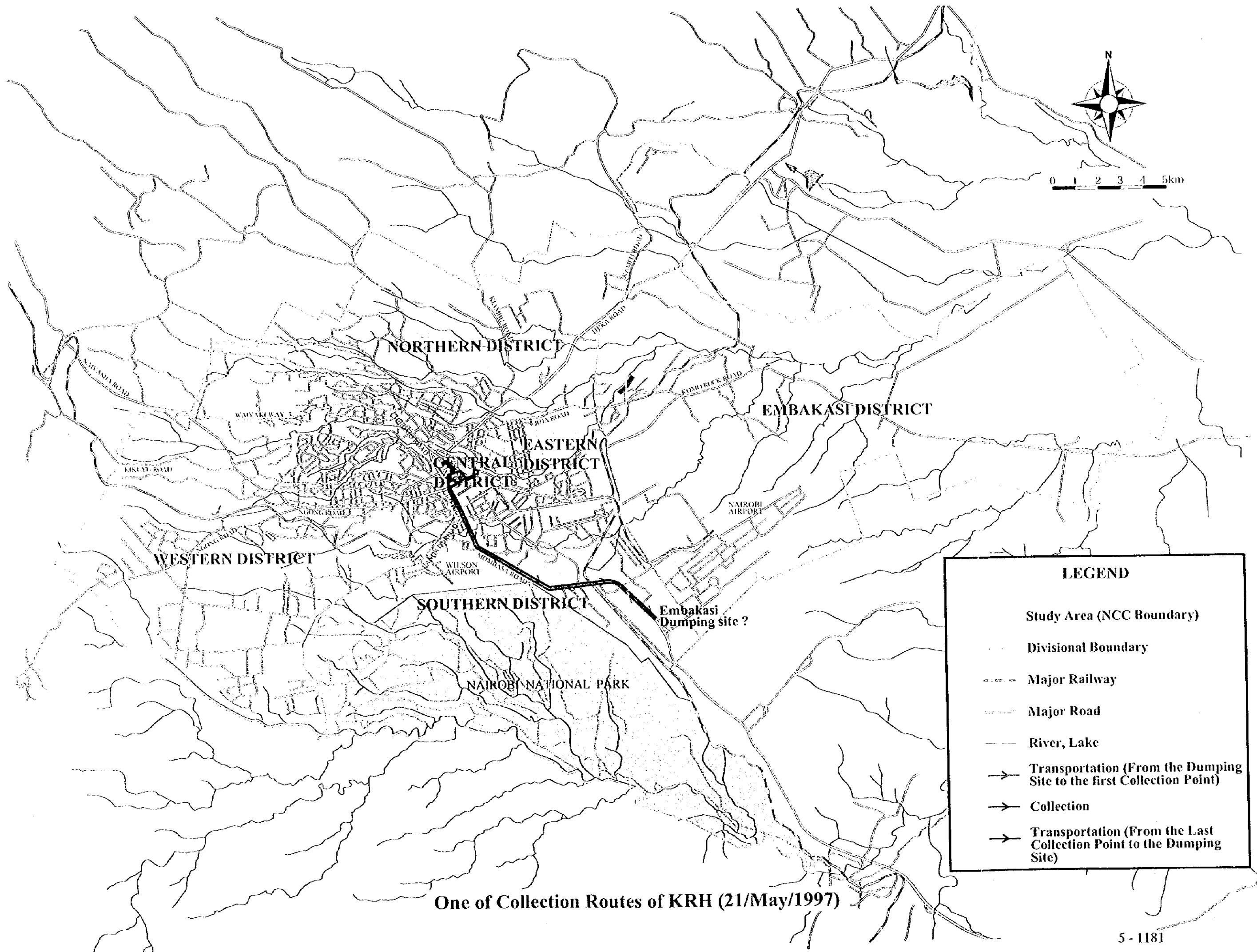
LEGEND

- Study Area (NCC Boundary)
- Divisional Boundary
- Major Railway
- Major Road
- River, Lake
- Transportation (From the Depot to the first Collection Point)
- Collection
- Transportation (From the Last Collection Point to the Dumping Site)





One of Collection Routes of DRDS (17/Nov./1997)

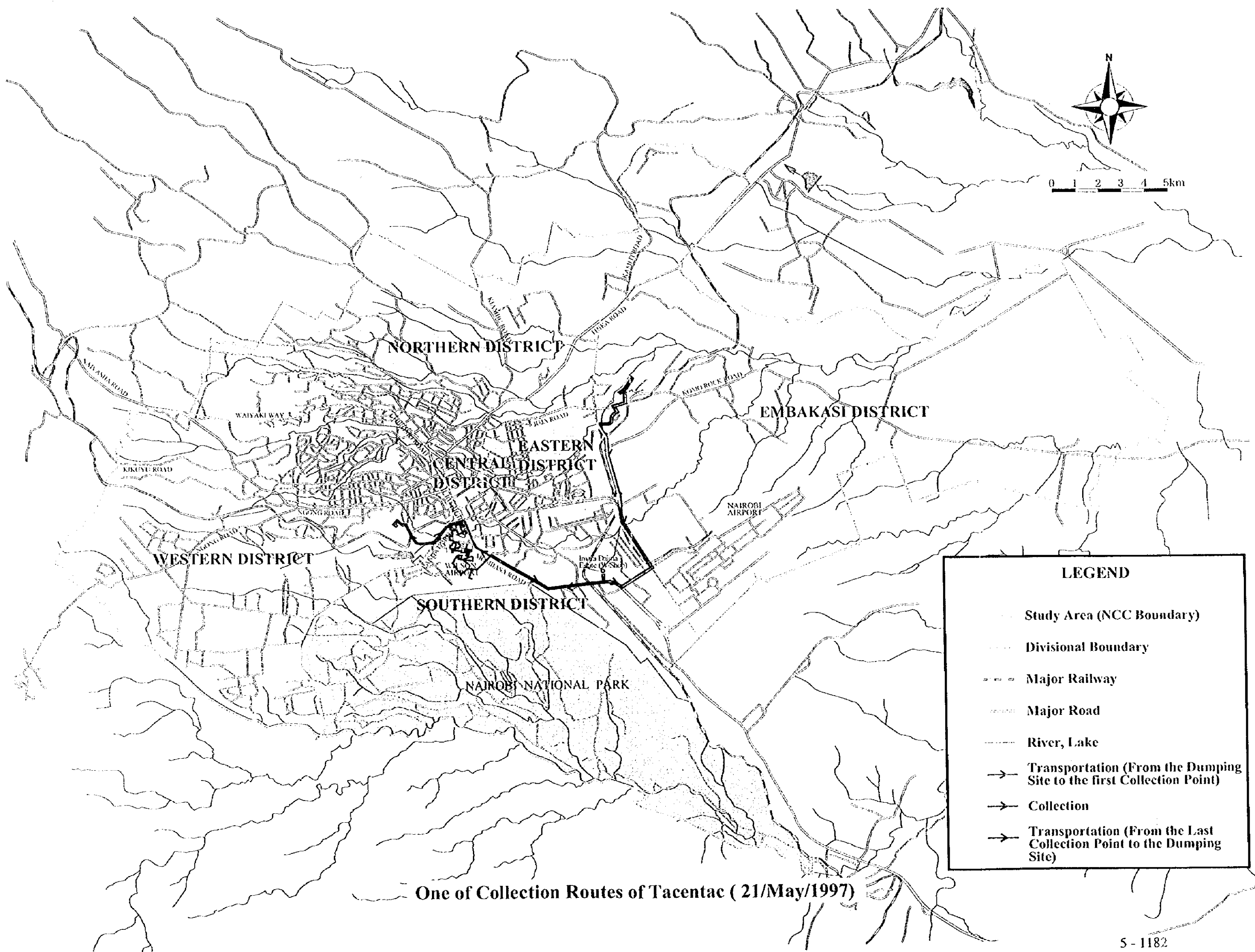


0 1 2 3 4 5km

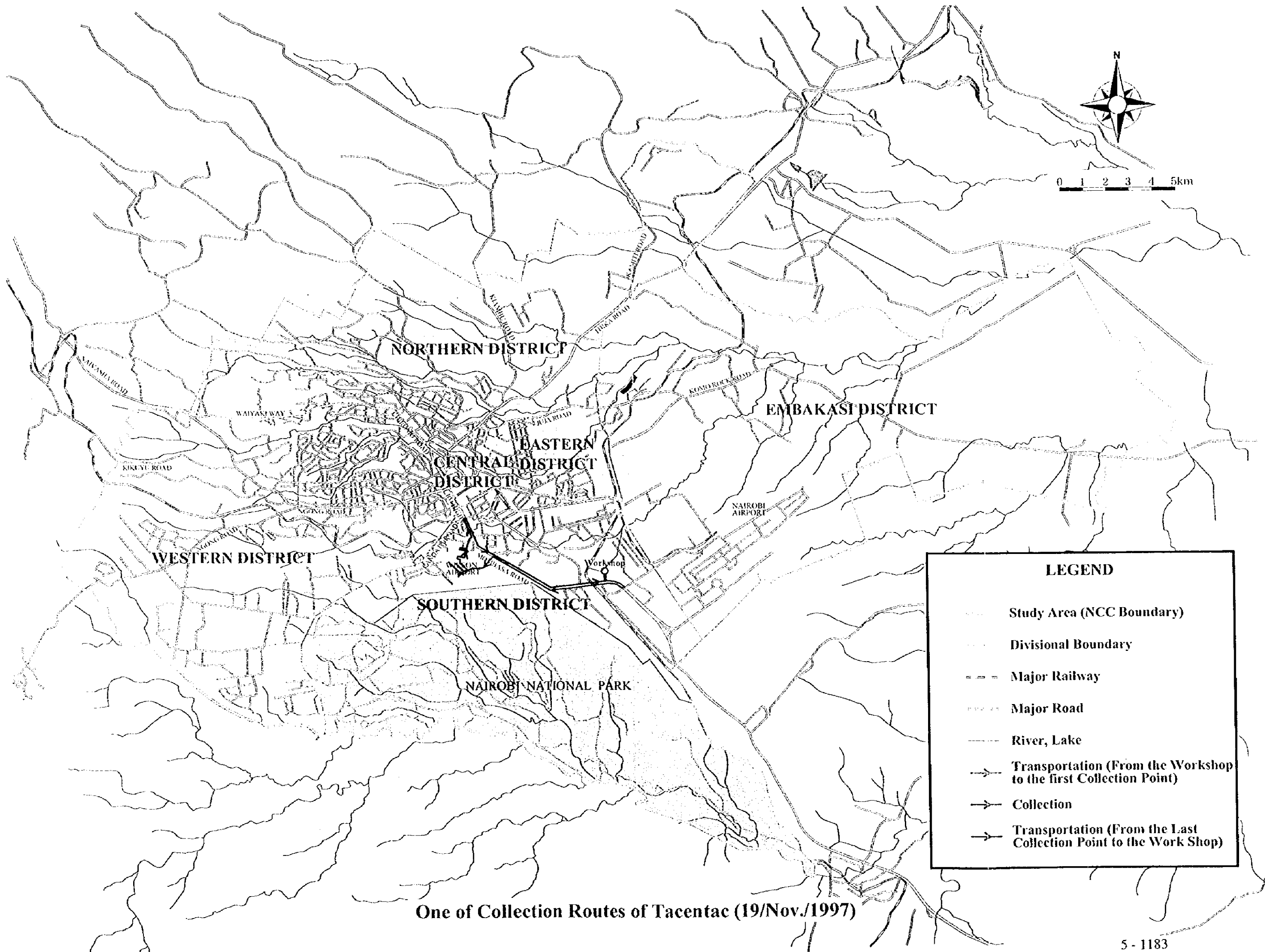
LEGEND

- Study Area (NCC Boundary)
- Divisional Boundary
- Major Railway
- Major Road
- River, Lake
- Transportation (From the Dumping Site to the first Collection Point)
- Collection
- Transportation (From the Last Collection Point to the Dumping Site)

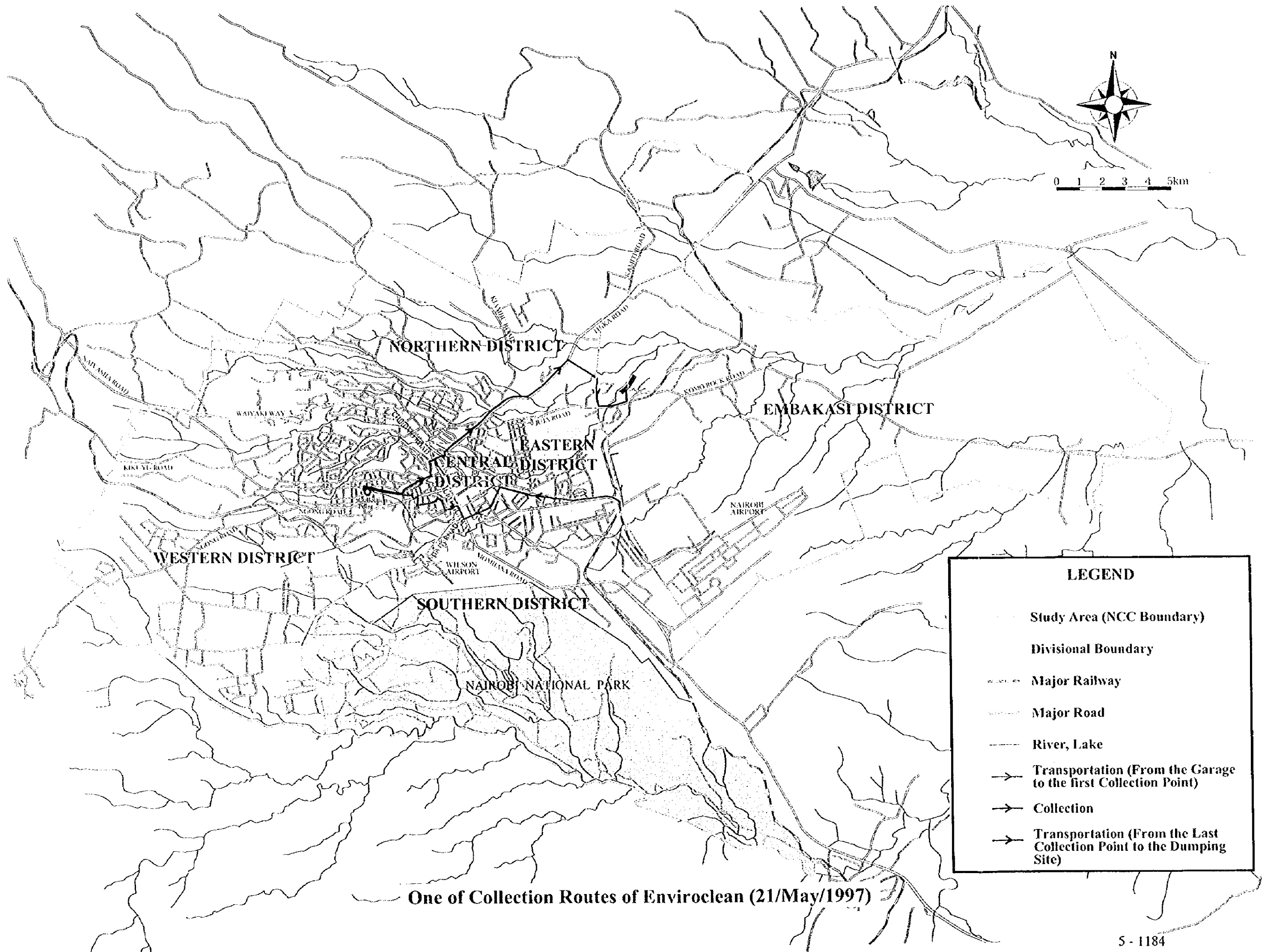
One of Collection Routes of KRH (21/May/1997)



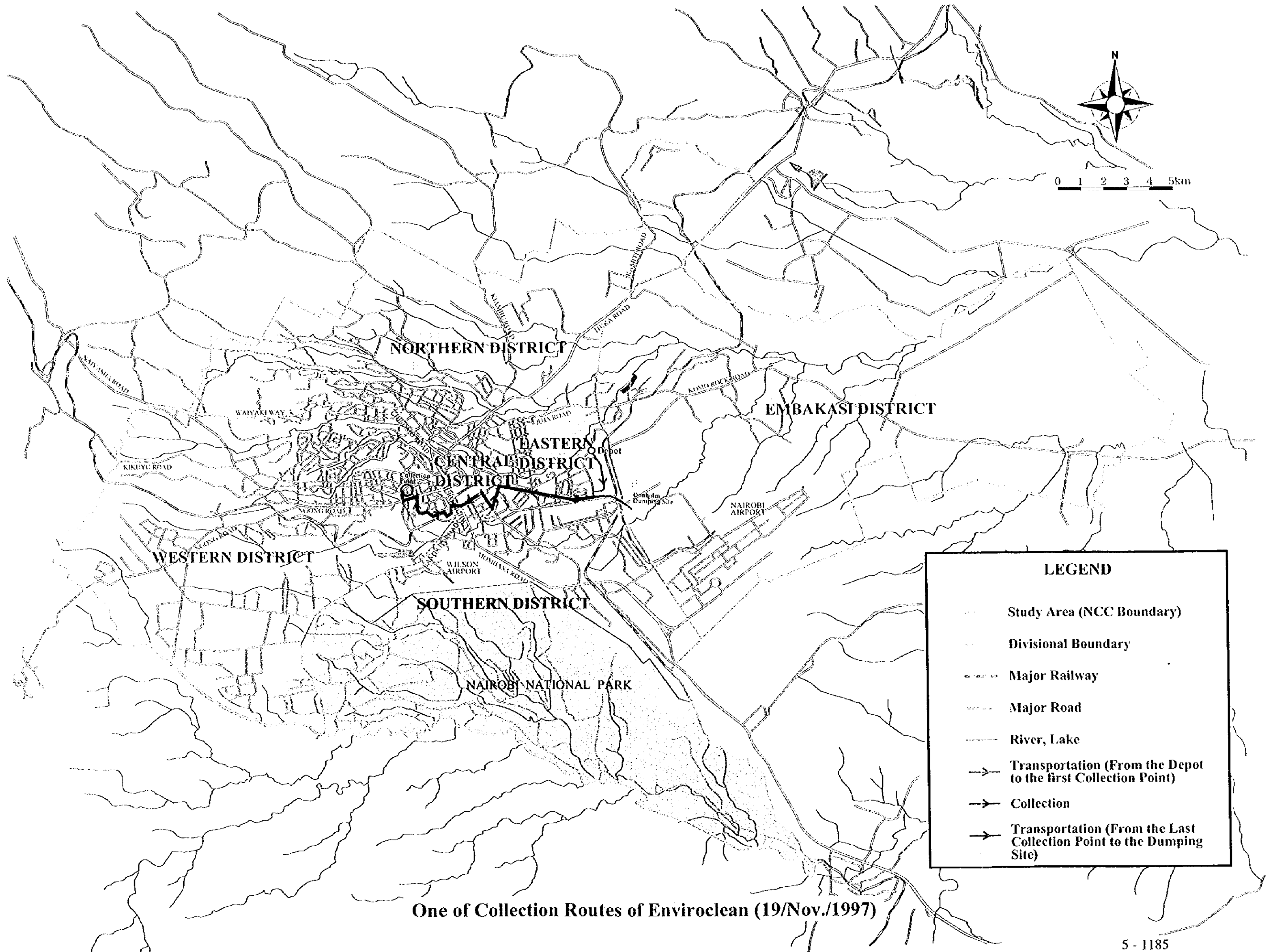
One of Collection Routes of Tacentac (21/May/1997)



One of Collection Routes of Tacentac (19/Nov./1997)



One of Collection Routes of Enviroclean (21/May/1997)



One of Collection Routes of Enviroclean (19/Nov./1997)

LEGEND

- Study Area (NCC Boundary)
- Divisional Boundary
- Major Railway
- Major Road
- River, Lake
- Transportation (From the Depot to the first Collection Point)
- Collection
- Transportation (From the Last Collection Point to the Dumping Site)

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5.3

**REVIEW OF DAILY OPERATION AND
MAINTENANCE RECORDS OF NCC
COLLECTION VEHICLES**

**5.3.1 Inventory of Collection Vehicles and
Plants in the Department of
Environment,NCC**

2000



(27th MAY 1997)

INVENTORY OF CLEANSING VEHICLES AND PLANTS

No FLEET No YEAR STATE PARKED PERIOD

No FLEET No YEAR STATE PARKED PERIOD

No FLEET No YEAR STATE PARKED PERIOD

BC VEHICLES

51 BC 9	1982	16 weeks
BC 10		
BC 11		
52 BC 12	1986	15 weeks
53 BC 14	1989	Good
54 BC 17	1988	2 years 2 weeks

PLANTS

55 B 4	1973	2 years
56 B 5	1985	2 years
57 B 6	1991	3 years
58 TS 7	1972	3 years
59 WL 3	1989	Good
60 WL 8	1996	Good
61 WL 9	1996	Good

SUPERVISION VEHICLES

62 PH 694	1989	Good
63 PH 695	1989	44 weeks
64 PH 696	1989	Good
65 PH 697	1989	Good
66 PH 698	1985	4 years 1 weeks

MOTOR CYCLES

67 PH 828	1993	Good
68 PH 829	1993	?

SIDE LOADERS (COMPACTING)

28 RV 79	1984	3 years 3 weeks
29 RV 80	1984	1 year 22 weeks
30 RV 81	1984	1 year 9 weeks
31 RV 82	1984	3 years 6 weeks
32 RV 87	1985	3 years 5 weeks
33 RV 98	1985	52 weeks

HIGH RATIO COMPACTORS

34 RC 24	1983	2 years 2 weeks
35 RC 25	1983	15 weeks
36 RC 26	1983	weeks
RC 27		
37 RC 28	1983	2 years 7 weeks
38 RC 29	1993	Good
39 RC 30	1993	2 years 7 weeks
40 RC 31	1993	Good
41 RC 32	1993	Good
42 RC 33	1993	9 weeks

TIPPERS

43 PH 679	1988	18 weeks
44 PH 680	1988	25 weeks
45 PH 681	1988	2 years 7 weeks
46 T 77	1997	Good
47 T 78	1997	Good
48 T 79	1997	Good
49 T 80	1997	Good
50 T 81	1997	Good

SIDE LOADERS (NON COMPACTING)

1 RV 8	1989	1 year 16 weeks
2 RV 9	1989	Good
3 RV 10	1989	Good
4 RV 11	1989	Good
5 RV 12	1989	Good
6 RV 13	1989	Good
7 RV 14	1989	Good
8 RV 15	1989	Good
9 RV 16	1989	5 weeks
RV 17	1989	
10 RV 18	1989	Good
11 RV 19	1989	3 year 46 weeks
12 RV 20	1989	Good
13 RV 21	1989	7 weeks
RV 22	1989	
14 RV 23	1989	3 years 32 weeks
15 RV 24	1989	3 years 32 weeks
16 RV 25	1989	4 years 44 weeks
17 RV 26	1989	Good
18 RV 27	1989	23 weeks
19 RV 28	1989	Good
20 RV 29	1989	18 weeks
RV 30	1989	
21 RV 31	1989	29 weeks
22 RV 32	1989	Good
23 RV 33	1989	11 weeks
24 RV 34	1989	Good
25 RV 35	1989	10 weeks
26 RV 36	1989	Good
27 RV 37	1989	1 year 20 weeks

7: do not exist

6: never come out of the Workshop
36: working somehow

INVENTORY OF CLEANSING VEHICLES AND PLANTS (27th MAY 1997)

No. Fleet No Year State Parked Period

SIDE LOADERS COMPACTING

28 RV 79	1984	3years 43weeks
29 RV 80	1984	1year 22weeks
30 RV 81	1984	1year 9weeks
31 RV 82	1984	4years 6weeks
32 RV 97	1985	3years 43weeks
33 RV 98	1985	52weeks

1 RV 8	1989	1year 16weeks
2 RV 9	1989	Good
3 RV 10	1989	Good
4 RV 11	1989	Good
5 RV 12	1989	Good
6 RV 13	1989	Good
7 RV 14	1989	Good
8 RV 15	1989	Good
9 RV 16	1989	Good
10 RV 17	1989	Good
11 RV 19	1989	3year 46weeks
12 RV 20	1989	Good
13 RV 21	1989	Good
14 RV 23	1989	3years 32weeks
15 RV 24	1989	3years 32weeks
16 RV 25	1989	4years 44weeks

HIGH RATIO COMPACTORS

34 RC 24	1989	2years 32weeks
35 RC 25	1983	15weeks
36 RC 26	1983	weeks
37 RC 28	1983	3years 6weeks
38 RC 29	1983	Good
39 RC 30	1983	2years 24weeks
40 RC 31	1983	Good
41 RC 32	1983	Good
42 RC 33	1983	Good

50 VEHICLES

51 BC 9	1982	15weeks
52 BC 10		
53 BC 11		
54 BC 12	1986	15weeks
55 BC 14	1989	Good
56 BC 15	1989	5years 24weeks

PLANTS

57 B 4	1973	2years
58 B 5	1980	2years
59 B 6	1991	3years
60 B 7	1972	3years
61 W 3	1989	Good
62 W 8	1996	Good
63 W 9	1996	Good

SUPPLEMENTAL PLANTS

64 PH 694	1989	Good
65 PH 695	1989	Good
66 PH 696	1989	Good
67 PH 697	1989	Good
68 PH 692	1985	5years 11weeks

MOBILE QUAYS

69 Q 1	1987	Good
70 Q 2	1987	Good
71 Q 3	1987	Good
72 Q 4	1987	Good

12: not counted

6 never come out of the Workshed
20 working condition



5.3.2 Year Round Trend of NCC Vehicle Operation

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**5.3.3 NCC Vehicle Operation Records from
May 1996 to May 1997**



LEGEND OF THE OPERATION RECORDS

UNDER WORKSHOP

W-
 ac: accident
 al: air lock
 an: alternator
 bf: brake fluid
 bk: brake
 br: body repair
 bt: battery
 cb: center bolt
 ck: caskets
 cl: clutch
 cn: chain
 co: compression
 cp: compressor
 ch: chassis
 cr: carburetor
 cs: charging system
 cy: cylinder head
 df: differential
 dr: drum
 el: electrical
 en: engine
 eo: engine oil
 ex: exhaust

fb: fan belt
 fuel
 funeral
 fp: fuel pump
 fs: fuel system
 ft: filter
 gb: gear box
 gc: gear shift cable
 gl: gear lock
 gr: gear
 hp: hose pipe
 hs: hydraulic seal
 ij: injection
 insurance
 ip: injector pump
 kp: king pin
 li: light
 mf: manifold
 mr: major repair
 non payment
 nt: no tube
 nu: nuts broken
 oh: over heating
 ol: oil leaking
 op: oil pipe

pd: parked in depot
 pi: storing pipe
 po: police
 pp: pressure pipe
 pr: pressure
 ps: propeller shaft
 pt: power take off
 pu: pump
 rb: release bearing
 rd: radiator
 sa: starter
 sc: speed cable
 sd: state duties
 service
 sg: steering
 sh: half shaft
 sp: spring
 sr: sprocket
 st: stud
 tm: transmission
 tp: transmission pipe
 ty: tyres
 vc: valve compression
 wd: welding
 wp: water pump
 ws: wind screen
 wsd: water & sewage department

WORKING

CD: Central District
 ND: Northern District
 ED: Eastern District
 SD: Southern District
 WD: Western District
 EMD: Embakasi District
 PA: Parks
 SPV: Supervision
 BCS: BC Services
 DDT: Dandora R/Tip
 KAL: Katoloni

LEGEND OF THE OPERATION RECORDS

UNDER WORKSHOP

W: accident
 ad: air lock
 al: alternator
 af: brake fluid
 bk: brake
 br: body repair
 bt: battery
 cb: center bolt
 ck: caskets
 cl: clutch
 cm: chain
 co: compression
 cp: compressor
 cs: chassis
 ct: carburetor
 ch: charging system
 cy: cylinder head
 d: distributor
 e: engine
 ex: exhaust
 f: fuel
 fa: fuel filter
 fb: fuel pump
 fs: fuel system
 ft: filter
 gd: gear box
 gl: gear lock
 gr: gear
 h: hose pipe
 hhy: hydraulic
 i: injection
 in: intake
 ip: injection pump
 k: king pin
 l: lamp
 m: motor
 n: nut
 o: oil
 p: pump
 pa: parking brake
 ps: pressure
 r: radiator
 rhy: hydraulic
 s: shaft
 sc: steering
 sh: shock absorber
 sp: spring
 st: starter
 sw: switch
 sy: system
 t: tire
 tr: transmission
 u: universal joint
 v: valve
 w: wheel
 wu: water pump
 wst: water & tank
 x: axle
 y: yoke
 z: zinc

WORKING

cd: Central District
 nd: Northern District
 ed: Eastern District
 sd: Southern District
 wd: Western District
 emd: Embarked District
 pa: Parks

 spv: Supervision
 sos: SO Services
 cut: Sanders R. Tro
 kll: Kallion

pc: parked in depot
 pl: storing pipe
 po: police
 pp: pressure pipe
 pr: pressure
 ps: propeller shaft
 pt: power take off
 pu: pump
 r: release bearings
 rd: radiator
 sd: starter
 sc: speed cable
 scd: speed bearings
 ss: service
 st: starter
 sw: switch
 sy: system
 tr: transmission
 trd: transmission drive
 ty: yoke
 w: wheel
 wu: water pump
 wst: water & tank
 x: axle
 y: yoke
 z: zinc